



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

## NOTICE OF ALLOWANCE AND FEE(S) DUE

22804 7590 08/08/2008

THE HECKER LAW GROUP  
1925 CENTURY PARK EAST  
SUITE 2300  
LOS ANGELES, CA 90067

EXAMINER	
CHEA, PHILIP J	
ART UNIT	PAPER NUMBER
2153	

DATE MAILED: 08/08/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/678,605	10/03/2003	Brian Richard Taraci	74200.926	6151

TITLE OF INVENTION: METHOD AND APPARATUS FOR PROVIDING UNIVERSAL WEB ACCESS FUNCTIONALITY

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	11/10/2008

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.**

**THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.**

### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.**

## PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail Stop ISSUE FEE**  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, Virginia 22313-1450**  
**or Fax (571)-273-2885**

**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

22804 7590 08/08/2008

**THE HECKER LAW GROUP**  
**1925 CENTURY PARK EAST**  
**SUITE 2300**  
**LOS ANGELES, CA 90067**

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

### Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)

(Signature)

(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/678,605	10/03/2003	Brian Richard Taraci	74200.926	6151

**TITLE OF INVENTION: METHOD AND APPARATUS FOR PROVIDING UNIVERSAL WEB ACCESS FUNCTIONALITY**

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	11/10/2008
EXAMINER	ART UNIT	CLASS-SUBCLASS				
CHEA, PHILIP J	2153	709-220000				

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
 "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list  
 (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,  
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 \_\_\_\_\_  
 2 \_\_\_\_\_  
 3 \_\_\_\_\_

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent):  Individual  Corporation or other private group entity  Government

4a. The following fee(s) are submitted:

Issue Fee  
 Publication Fee (No small entity discount permitted)  
 Advance Order - # of Copies \_\_\_\_\_

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

A check is enclosed.  
 Payment by credit card. Form PTO-2038 is attached.  
 The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number \_\_\_\_\_ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.  b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature \_\_\_\_\_

Date \_\_\_\_\_

Typed or printed name \_\_\_\_\_

Registration No. \_\_\_\_\_

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/678,605	10/03/2003	Brian Richard Taraci	74200.926	6151
22804	7590	08/08/2008	EXAMINER	
THE HECKER LAW GROUP 1925 CENTURY PARK EAST SUITE 2300 LOS ANGELES, CA 90067				CHEA, PHILIP J
ART UNIT		PAPER NUMBER		
2153				DATE MAILED: 08/08/2008

## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 1082 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1082 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/678,605	TARACI, BRIAN RICHARD	
	<b>Examiner</b>	<b>Art Unit</b>	

PHILIP J. CHEA

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTO-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to an amendment filed April 21, 2008.
2.  The allowed claim(s) is/are 1-33,36,39 and 42.
3.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All
  - b)  Some\*
  - c)  None
 of the:
  1.  Certified copies of the priority documents have been received.
  2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.
  - (b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1.  Notice of References Cited (PTO-892)
2.  Notice of Draftsperson's Patent Drawing Review (PTO-948)
3.  Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4.  Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5.  Notice of Informal Patent Application
6.  Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7.  Examiner's Amendment/Comment
8.  Examiner's Statement of Reasons for Allowance
9.  Other \_\_\_\_\_.

/Krisna Lim/  
Primary Examiner, Art Unit 2153

### **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Frank Weyer 33,050 on July 1, 2008.

The application has been amended as follows:

#### **IN THE CLAIMS:**

Please see attached.

2. The following is an examiner's statement of reasons for allowance: The prior art does not teach nor render obvious the claimed limitations. Specifically the prior art fails to disclose providing a universal web access functionality that requires configuring Input/Output ports using a browser by having a tri-state being removed out of tri-state mode and driving a pull-up resistor high to generate output high on at least one of the plurality of Input/Output ports and an open collector driver being set to low impedance mode to generate an output low on at least one of the Input/Output ports.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PHILIP J. CHEA whose telephone number is (571)272-3951. The examiner can normally be reached on M-F 6:30-4:00 (1st Friday Off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenn Burgess can be reached on 571-272-3949. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2153

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Philip J Chea  
Examiner  
Art Unit 2153

PC 7/2/08

1. (currently amended) An apparatus for providing universal web access functionality comprising:
  - a first electronic device having a plurality of configurable Input/Output ports;
  - a network connection to said first electronic device on a first one of said plurality of configurable Input/Output ports; and
    - at least one second electronic device connected to said first electronic device on a second one of said plurality of configurable Input/Output ports, wherein said first electronic device serves web pages associated with said at least one second electronic device, wherein configuration parameters for said second one of said plurality of configurable Input/Output ports are set using a browser interface to said first electronic device;
2. (currently amended) A method for providing universal web access functionality comprising:
  - providing a plurality of configurable Input/Output ports on a first electronic device;
  - connecting said first electronic device to a network via a first one of said plurality of configurable Input/Output ports;

connecting at least one second electronic device to said first electronic device on a second one of said plurality of configurable Input/Output ports, wherein said first electronic device serves web pages associated with said at least one second electronic device; and setting configuration parameters for said second one of said plurality of configurable Input/Output ports using a browser interface to said first electronic device; removing a tri-state buffer out of tri-state mode and driving a pull-up resistor high to generate output high at said second one of said plurality of configurable Input/Output ports; and setting an open collector output driver to low impedance mode to generate an output low at said second one of said plurality of configurable Input/Output ports.

3. (currently amended) An apparatus for providing universal web access functionality comprising:

a plurality of configurable Input/Output ports for connection to at least one electronic device;

a server engine serving web pages providing access to said at least one electronic device via said plurality of configurable Input/Output ports; and

an interface device providing remote connectivity to said server engine via a network, wherein configuration parameters for said plurality of configurable Input/Output ports are set using said interface device;

a tri-state buffer, said tri-state buffer being removed out of tri-state mode and driving a pull-up resistor high to generate output high on at least one of said plurality of configurable Input/Output ports; and

an open collector output driver, said open collector output driver being set to low impedance mode to generate an output low on at least one of said plurality of configurable Input/Output ports.

4. (previously presented) The apparatus of claim 3, wherein said plurality of configurable Input/Output ports comprises analog Input/Output ports.

5. (previously presented) The apparatus of claim 3, wherein said plurality of configurable Input/Output ports comprises digital Input/Output ports.

6. (previously presented) The apparatus of claim 3, wherein said plurality of configurable Input/Output ports comprises an RS-232 port.

7. (previously presented) The apparatus of claim 3, wherein said plurality of configurable Input/Output ports comprises an RS-422 port.

8. (previously presented) The apparatus of claim 3, wherein said plurality of configurable Input/Output ports comprises an RS-485 port.

9. (previously presented) The apparatus of claim 3, wherein said plurality of configurable Input/Output ports comprises an infrared (IR) port.

10. (previously presented) The apparatus of claim 3, wherein said plurality of configurable Input/Output ports comprises general purpose Input/Output ports.

11. (previously presented) The apparatus of claim 3, wherein said interface device comprises a configurable graphical user interface.

12. (previously presented) The apparatus of claim 3, wherein said interface device comprises a network interface card.

13. (previously presented) The apparatus of claim 12, wherein said network interface card comprises an RJ-45 connector.

14. (previously presented) The apparatus of claim 12, wherein said network interface card comprises a wireless connector.

15. (previously presented) The apparatus of claim 3, wherein said at least one electronic device is not web enabled.

16. (previously presented) The apparatus of claim 3, wherein said server engine comprises:

a flattened stack handler for processing an ethernet packet;

a server-side include function;

a URL encoder/decoder function; and

an electronic mail notification handler.

17. (previously presented) The apparatus of claim 16, wherein said processing said ethernet packet comprises:

receiving said ethernet packet comprising Ethernet header, IP header, TCP/UDP header, and payload; and

processing said payload only if said Ethernet header, said IP header and said UDP/TCP header are associated with an active service at an application layer.

18. (currently amended) A method for providing universal web access functionality comprising:

providing a plurality of configurable Input/Output ports for connection to at least one electronic device;

providing a server engine serving web pages for access to said at least one electronic device via said plurality of configurable Input/Output ports;

providing an interface device for remote connectivity to said server engine via a network;  
and

setting configuration parameters for said plurality of configurable Input/Output ports using said interface device;

removing a tri-state buffer out of tri-state mode and driving a pull-up resistor high to generate output high on at least one of said plurality of configurable Input/Output ports; and  
setting an open collector output driver to low impedance mode to generate an output low on at least one of said plurality of configurable Input/Output ports.

19. (previously presented) The method of claim 18, wherein said plurality of configurable Input/Output ports comprises analog Input/Output ports.

20. (previously presented) The method of claim 18, wherein said plurality of configurable Input/Output ports comprises digital Input/Output ports.

21. (previously presented) The method of claim 18, wherein said plurality of configurable Input/Output ports comprises an RS-232 port.

22. (previously presented) The method of claim 18, wherein said plurality of configurable Input/Output ports comprises an RS-422 port.

23. (previously presented) The method of claim 18, wherein said plurality of configurable Input/Output ports comprises an RS-485 port.

24. (previously presented) The method of claim 18, wherein said plurality of configurable Input/Output ports comprises an infrared (IR) port.

25. (previously presented) The method of claim 18, wherein said plurality of configurable Input/Output ports comprises general purpose Input/Output ports.

26. (previously presented) The method of claim 18, wherein said interface device comprises a configurable graphical user interface.

27. (previously presented) The method of claim 18, wherein said interface device comprises a network interface card.

28. (previously presented) The method of claim 27, wherein said network interface card comprises an RJ-45 connector.

29. (previously presented) The method of claim 27, wherein said network interface card comprises a wireless connection.

30. (previously presented) The method of claim 18, wherein said at least one electronic device is not web enabled.

31. (previously presented) The method of claim 18, wherein said server engine comprises:

- a flattened stack handler for processing an ethernet packet;
- a server-side include function;
- a URL encoder/decoder function; and
- an electronic mail notification handler.

32. (previously presented) The method of claim 31, wherein said processing said ethernet packet comprises:

- receiving said ethernet packet comprising Ethernet header, IP header, TCP/UDP header, and payload; and
- processing said payload only if said Ethernet header, said IP header and said UDP/TCP header are associated with an active service at an application layer.

33. (previously presented) The method of claim 1, wherein said apparatus further comprises:

- registers set by said configuration parameters; and
- devices selected from a group consisting of switches and gates, said devices for enabling circuitry in accordance with the configuration parameters, said devices driven by said registers.

34. Cancelled.

35. Cancelled.

36. (previously presented) The method of claim 2, further comprising:

setting registers in response to said configuration parameters; and  
driving from said registers devices selected from a group consisting of switches and  
gates, said devices for enabling circuitry in accordance with the configuration parameters.

37. Cancelled.

38. Cancelled.

39. (previously presented) The method of claim 3, wherein said apparatus further  
comprises:

registers set by said configuration parameters; and  
devices selected from a group consisting of switches and gates, said devices for enabling  
circuitry in accordance with the configuration parameters, said devices driven by said registers.

40. Cancelled.

41. Cancelled.

42. (previously presented) The method of claim 18, said method further comprising:  
setting registers in response to said configuration parameters; and  
driving from said registers devices selected from a group consisting of switches and  
gates, said devices for enabling circuitry in accordance with the configuration parameters.

43. Cancelled.

44. Cancelled.

/Krisna Lim/  
Primary Examiner, Art Unit 2153